

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/SOS,474A
Source: PCT
Date Processed by STIC: 3-22-05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/22/2005

PATENT APPLICATION: US/10/505,474A

TIME: 09:58:48

Input Set : A:\10-505474.txt

Output Set: N:\CRF4\03222005\J505474A.raw

3 <110> APPLICANT: Tsukamoto, Akira
 4 Nakagame, Seiji
 5 Kabuto, Mari
 6 Sugiura, Jun
 7 Sakaguchi, Hisako
 8 Furujo, Atsushi
 10 <120> TITLE OF INVENTION: Cellulolytic enzyme gene and use thereof
 12 <130> FILE REFERENCE: 04853-0118-00000
 14 <140> CURRENT APPLICATION NUMBER: US 10/505,474A
 16 <141> CURRENT FILING DATE: 2004-08-24
 18 <150> PRIOR APPLICATION NUMBER: PCT/JP03/02058
 20 <151> PRIOR FILING DATE: 2003-02-25
 22 <160> NUMBER OF SEQ ID NOS: 52
 24 <170> SOFTWARE: PatentIn Ver. 3.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 3420
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Coriolus hirsutus
 31 <400> SEQUENCE: 1
 32 catgtcctgt cggctccttg aatgctcggg tctttctcgc gataccgaag tgctgggcaa 60
 33 cccggggacg cgtataaagt ccaaaaaatc ggtctttgac ggtgagcgcg acactacgac 120
 34 tgcccgccat gaagttcaag agtctcctgt tgtccgtggt gccgttggtc ggctctggta 180
 35 tgttgcggcc ttccatccga caccgagacg agacgctgac agtaacacgc cacgaccagt 240
 36 ctactcccag gtcgcccac cctaccagga cgccggcaac ggcttcgtct ttgacgggtg 300
 37 cactgatcca gtgcatagcg tcacgtatgg aatcgctctc cctcaggcgg cctccagctc 360
 38 ggagttcatt ggcgagatcg tcgcgccaaa cgacgcacaa tggatcggtt tggctcttgg 420
 39 aggagccatg atcggcgacc tgcttctcgt cgcatggcca tatgagaaca aaattatttt 480
 40 ctcccctcgc tacgcgacgt gagtatatgc tgttacatgt atgcagacgc tacgggctaa 540
 41 atacgccaat ctacagcgg gtacacgctg ccggcggtct acgaaggccc aaccattacc 600
 42 acactcccggt ccagttcgat caactcgacg cactggaagt tcgtgttccg ctgccagaac 660
 43 tgcacatgtg cgtacctcac attacgtatg acgtctccaa ctaaacctct tcacagcctg 720
 44 ggatggcgga agcattgacc cctccggcac tggcgtcttc gcgtgggctg actcgaacgt 780
 45 cgcagtagat acccccgcgg atcccaacag cagcttcgcc gagcacaccg actgtaagcg 840
 46 atcatctctg aaccatggta ctgaatcact catggtatat cgcagtcggc ttcttcggcg 900
 47 tcaacttccc cgatgctcag aactcgaact accaaagcta cctccagggc aacgccggca 960
 48 ctccccctcc cacatccgtc cctagcggcc cttccagcac tacgactact actggtccta 1020
 49 cggcaaccgt gagggcttcc acttcgctgt gcaggacgtt gctaaccggtc tgtacaggct 1080
 50 acgccgtttg actacatcgt cgttggtgac ggcccagggt gtctcatcgc tgccgatcgc 1140
 51 ttgtcggagg cgggcaagaa ggtccttctt cttgagcgtg gtggaccttc gactgcagag 1200
 52 accggcgagg cttacgatgt cccatgggcc aagtcgcgta acgtgagttg aatacccttg 1260
 53 aatcgataat gcgcacaccg actgactccc atccatggta gctcacaaaa ttcgatgtcc 1320
 54 cgggattggt cgagacgctg ttcaccgaca cgaaccatt ctggtggtgc aagggtgggt 1380
 55 cggtttctgg aagcgcatgt caacgtcgtt aagaaagcct tctagacacc aacttctttg 1440

Cpg. (6)

RAW SEQUENCE LISTING

DATE: 03/22/2005

PATENT APPLICATION: US/10/505,474A

TIME: 09:58:48

Input Set : A:\10-505474.txt

Output Set: N:\CRF4\03222005\J505474A.raw

```

56 ctggatgcat tctcgggtggc ggtaccacgg tcaacgggagc gtaagtgcac tgactctgcc 1500
57 gtgccaagc agccctcctg acgacaatct acagtcttta ctggtacccc aacaacaatg 1560
58 acttctccac cgccagcgga tggccgagca gctggaccaaa ccaccagccg ttcaccaaca 1620
59 agctgaagca gcgctctgccg agcacagacc acccctccac cgacggccag cgctacctcg 1680
60 aacagtccgc gaacgctcgtc cagcagctgc tccagagcca gggctaccgg caggtcacga 1740
61 tcaacgacga cccggactcc aaggaccacg tcttcggcta cagcgcgttt gacttcctca 1800
62 acgggcagcg cgccggtccc gtcgcgacgt acttcagac cgcgctcgcg cgcaagaact 1860
63 tcgtgtaccg cgacaacgtg ctcgtcacgc aggtcatccg caacggctcg acgatcacgg 1920
64 gcgtagcgac gaacgacctc accatcgggc ccgacggcat cgtgcccctc aaccggaacg 1980
65 gccgctcat ccttgctggc ggctcggttc ggaccccgcg catcctgttc caaagcggca 2040
66 tcgggcccag ggacatgctc caggctcgtc agggcaacgc gcaggccgcg gcgaacctgc 2100
67 ccccgagaa ccagtggatc aacctcccgg tcggccaggc cgtgtctgac aaccgctga 2160
68 tcaacgtgag tgacgctgca tacgcgttca agcccggcg cctgaggctg acatggctcg 2220
69 tagttggtct tcaactaccc gagcatcgac gcgtacgaca actgggagcg cgtaggtcg 2280
70 aacccaaggc agggcgacgc tcagcagtac ctgcagagcc gctccggcgt gttggcgggc 2340
71 gcgtccccga agtacgttcg acatcgcgcc tggagtcttg cagggtgtctg accagtcctc 2400
72 tctacaggct gaacttctgg agggcctacg gcggcagtg cggtatcacc cgctacgtat 2460
73 gtctatgttc gtcttgatct ccggtgctac gacctgacat tggccgtagg cgcaaggaac 2520
74 tgtccgtcct ggcgcagcat ccgtgaacac ctccgttgcg tacaacgcga gccagatctt 2580
75 cagatcacc ctctacctgt gggtagcagc ccgaccgtat gtggactgtg cagctaaccg 2640
76 tgcaccacta cagggtccaac ggtatccagt cgcgcggtcg catcggcgtg gacgcgcgcc 2700
77 tgaacgcgaa ggcgctcgtc aaccctcggc tcaccaacgc cgctcgacaag acgatcctgc 2760
78 tgcaggccct gcacgacgtc gtctccacac tgaataacgg taaggccact tctccgtacc 2820
79 tgctgcgcg cgcgccgctc atgcctctcc ttcctccagt ccaaggcctg acgatgatca 2880
80 ccccgacca caccatgacg atcgagcagt acgtcgacgc ctacgaccgg gtgagtcagg 2940
81 cccgcagcat cccggcgaaa taaaaaacgg acgtgacgc ccccgccca cgcaggcgac 3000
82 gatgtgtccc aaccactggg tgggcgcgcg gaagatcggc acaagcccgt ccacggccgt 3060
83 cgctgacgag aacgcgaagg tgttcaacac ggacaacctg gtacgtttcc ctgccctttt 3120
84 tcttcccgtg ccctccgctg acgcggcctt cctgcagttc atcgtcgatg cgtccatcat 3180
85 cccgtctctg ccggtcggga acccgagggg cctgctcatg tctgcggccg agcaggccgt 3240
86 gtcgaagatc ctgcgcgtcg ccggaggacc gtgaggcagg gggttcaaaa gcatttgagg 3300
87 cgctgctatg gtagaccatg aagcgggatg ggtcctgtcg atatgagaca cgatgtatat 3360
88 attatatatt ctgcacggtt ttcttcttcc tggaagcctg atgaggctct cgacgtgcca 3420

```

91 <210> SEQ ID NO: 2

92 <211> LENGTH: 768

93 <212> TYPE: PRT

94 <213> ORGANISM: Coriolus hirsutus

96 <400> SEQUENCE: 2.

```

97 Met Lys Phe Lys Ser Leu Leu Leu Ser Val Leu Pro Leu Val Gly Ser
98   1           5           10          15
100 Val Tyr Ser Gln Val Ala Ala Pro Tyr Gln Asp Ala Gly Asn Gly Phe
101           20           25           30
103 Val Phe Asp Gly Val Thr Asp Pro Val His Ser Val Thr Tyr Gly Ile
104           35           40           45
106 Val Leu Pro Gln Ala Ala Ser Ser Ser Glu Phe Ile Gly Glu Ile Val
107           50           55           60
109 Ala Pro Asn Asp Ala Gln Trp Ile Gly Leu Ala Leu Gly Gly Ala Met
110           65           70           75           80
112 Ile Gly Asp Leu Leu Leu Val Ala Trp Pro Tyr Glu Asn Lys Ile Ile

```

RAW SEQUENCE LISTING

DATE: 03/22/2005

PATENT APPLICATION: US/10/505,474A

TIME: 09:58:48

Input Set : A:\10-505474.txt

Output Set: N:\CRF4\03222005\J505474A.raw

113				85				90				95				
115	Phe	Ser	Pro	Arg	Tyr	Ala	Thr	Gly	Tyr	Thr	Leu	Pro	Ala	Val	Tyr	Glu
116				100				105				110				
118	Gly	Pro	Thr	Ile	Thr	Thr	Leu	Pro	Ser	Ser	Ser	Ile	Asn	Ser	Thr	His
119			115					120				125				
121	Trp	Lys	Phe	Val	Phe	Arg	Cys	Gln	Asn	Cys	Thr	Ser	Trp	Asp	Gly	Gly
122		130					135				140					
124	Ser	Ile	Asp	Pro	Ser	Gly	Thr	Gly	Val	Phe	Ala	Trp	Ala	Tyr	Ser	Asn
125	145					150				155					160	
127	Val	Ala	Val	Asp	Thr	Pro	Ala	Asp	Pro	Asn	Ser	Ser	Phe	Ala	Glu	His
128				165				170				175				
130	Thr	Asp	Phe	Gly	Phe	Phe	Gly	Val	Asn	Phe	Pro	Asp	Ala	Gln	Asn	Ser
131			180					185				190				
133	Asn	Tyr	Gln	Ser	Tyr	Leu	Gln	Gly	Asn	Ala	Gly	Thr	Pro	Pro	Pro	Thr
134			195					200				205				
136	Ser	Val	Pro	Ser	Gly	Pro	Ser	Ser	Thr	Thr	Thr	Thr	Thr	Gly	Pro	Thr
137		210					215					220				
139	Ala	Thr	Ala	Thr	Pro	Phe	Asp	Tyr	Ile	Val	Val	Gly	Ala	Gly	Pro	Gly
140	225					230				235					240	
142	Gly	Leu	Ile	Ala	Ala	Asp	Arg	Leu	Ser	Glu	Ala	Gly	Lys	Lys	Val	Leu
143				245				250				255				
145	Leu	Leu	Glu	Arg	Gly	Gly	Pro	Ser	Thr	Ala	Glu	Thr	Gly	Gly	Thr	Tyr
146			260					265				270				
148	Asp	Val	Pro	Trp	Ala	Lys	Ser	Ala	Asn	Leu	Thr	Lys	Phe	Asp	Val	Pro
149		275					280					285				
151	Gly	Leu	Phe	Glu	Thr	Leu	Phe	Thr	Asp	Thr	Asn	Pro	Phe	Trp	Trp	Cys
152		290					295				300					
154	Lys	Asp	Thr	Asn	Phe	Phe	Ala	Gly	Cys	Ile	Leu	Gly	Gly	Gly	Thr	Thr
155	305					310				315					320	
157	Val	Asn	Gly	Ala	Leu	Tyr	Trp	Tyr	Pro	Asn	Asn	Asn	Asp	Phe	Ser	Thr
158				325				330				335				
160	Ala	Ser	Gly	Trp	Pro	Ser	Ser	Trp	Thr	Asn	His	Gln	Pro	Phe	Thr	Asn
161			340					345				350				
163	Lys	Leu	Lys	Gln	Arg	Leu	Pro	Ser	Thr	Asp	His	Pro	Ser	Thr	Asp	Gly
164			355					360				365				
166	Gln	Arg	Tyr	Leu	Glu	Gln	Ser	Ala	Asn	Val	Val	Gln	Gln	Leu	Leu	Gln
167		370					375					380				
169	Ser	Gln	Gly	Tyr	Arg	Gln	Val	Thr	Ile	Asn	Asp	Asp	Pro	Asp	Ser	Lys
170	385					390				395					400	
172	Asp	His	Val	Phe	Gly	Tyr	Ser	Ala	Phe	Asp	Phe	Leu	Asn	Gly	Gln	Arg
173				405				410				415				
175	Ala	Gly	Pro	Val	Ala	Thr	Tyr	Phe	Gln	Thr	Ala	Leu	Ala	Arg	Lys	Asn
176			420					425				430				
178	Phe	Val	Tyr	Arg	Asp	Asn	Val	Leu	Val	Thr	Gln	Val	Ile	Arg	Asn	Gly
179			435					440				445				
181	Ser	Thr	Ile	Thr	Gly	Val	Arg	Thr	Asn	Asp	Leu	Thr	Ile	Gly	Pro	Asp
182		450					455				460					
184	Gly	Ile	Val	Pro	Leu	Asn	Pro	Asn	Gly	Arg	Val	Ile	Leu	Ala	Gly	Gly
185	465					470				475					480	

RAW SEQUENCE LISTING

DATE: 03/22/2005

PATENT APPLICATION: US/10/505,474A

TIME: 09:58:48

Input Set : A:\10-505474.txt

Output Set: N:\CRF4\03222005\J505474A.raw

```

187 Ser Phe Gly Thr Pro Arg Ile Leu Phe Gln Ser Gly Ile Gly Pro Thr
188           485           490           495
190 Asp Met Leu Gln Val Val Gln Gly Asn Ala Gln Ala Ala Asn Leu
191           500           505           510
193 Pro Pro Gln Asn Gln Trp Ile Asn Leu Pro Val Gly Gln Ala Val Ser
194           515           520           525
196 Asp Asn Pro Ser Ile Asn Leu Val Phe Thr His Pro Ser Ile Asp Ala
197           530           535           540
199 Tyr Asp Asn Trp Ala Thr Val Trp Ser Asn Pro Arg Gln Ala Asp Ala
200 545           550           555           560
202 Gln Gln Tyr Leu Gln Ser Arg Ser Gly Val Leu Ala Gly Ala Ser Pro
203           565           570           575
205 Lys Leu Asn Phe Trp Arg Ala Tyr Gly Gly Ser Asp Gly Ile Thr Arg
206           580           585           590
208 Tyr Ala Gln Gly Thr Val Arg Pro Gly Ala Ala Ser Val Asn Thr Ser
209           595           600           605
211 Val Ala Tyr Asn Ala Ser Gln Ile Phe Thr Ile Thr Leu Tyr Leu Ser
212           610           615           620
214 Asn Gly Ile Gln Ser Arg Gly Arg Ile Gly Val Asp Ala Ala Leu Asn
215 625           630           635           640
217 Ala Lys Ala Leu Val Asn Pro Trp Leu Thr Asn Ala Val Asp Lys Thr
218           645           650           655
220 Ile Leu Leu Gln Ala Leu His Asp Val Val Ser Thr Leu Asn Asn Val
221           660           665           670
223 Gln Gly Leu Thr Met Ile Thr Pro Asp His Thr Met Thr Ile Glu Gln
224           675           680           685
226 Tyr Val Asp Ala Tyr Asp Pro Ala Thr Met Cys Ser Asn His Trp Val
227           690           695           700
229 Gly Ala Ala Lys Ile Gly Thr Ser Pro Ser Thr Ala Val Val Asp Glu
230 705           710           715           720
232 Asn Ala Lys Val Phe Asn Thr Asp Asn Leu Phe Ile Val Asp Ala Ser
233           725           730           735
235 Ile Ile Pro Ser Leu Pro Val Gly Asn Pro Gln Gly Leu Leu Met Ser
236           740           745           750
238 Ala Ala Glu Gln Ala Val Ser Lys Ile Leu Ala Leu Ala Gly Gly Pro
239           755           760           765
242 <210> SEQ ID NO: 3
243 <211> LENGTH: 3480
244 <212> TYPE: DNA
245 <213> ORGANISM: Coriolus hirsutus
247 <400> SEQUENCE: 3
248 agcgcacgcg gcgcgtacca aatgagcgtt catgtcctgt cggctccttg aatgctcggg 60
249 tctttctcgc ggtaccgaag tgctgggcaa cccggggacg cgtataaagt ccaaaaaatg 120
250 ggtcttgaac ggtgagcacg acactacgac cgcccgccat gaagctcaag agcctcctgt 180
251 tgtccgtggt gccgttggtc ggctctggta tgttcagacc ttctatctga catcgagacg 240
252 agacgctgac agtaacgcac cacgaacagt ctaccccgag gtcgcgcac cctaccagga 300
253 cgccggcaac ggcttcgtct ttgacgggtg cactgaccca gtgcatagcg tcacctatgg 360
254 aatcgctctc cctcaggcgg cctccagctc ggagttcatt ggcgagatcg tcgcgccaaa 420
255 cgacgcacaa tggatcggtt tggtcttgg aggagccatg atcggcgacc tgcttctcgt 480

```

RAW SEQUENCE LISTING

DATE: 03/22/2005

PATENT APPLICATION: US/10/505,474A

TIME: 09:58:48

Input Set : A:\10-505474.txt

Output Set: N:\CRF4\03222005\J505474A.raw

```

256 cgcatggcca tatgagaaca aaatcatttt ctcccctcgc tacgcgacgt gagtatatgc 540
257 tgttacatgc atgcagacgc tcgggggctaa atacgccaat attacagcgg gtacaccctg 600
258 ccggcgggtct acgacggccc aaccattacc aactcccgt ccagttcggg caactcgacg 660
259 cactggaagt tcgtgtttcg ctgccagaac tgcacatgtg cgtacctcac atttcgtacg 720
260 acgtctccaa ctaaacctct tcacagcctg ggatggcgga agcattgacc cctccggcac 780
261 tggcgtcttc gcgtgggcgt actcgaacgt cgcagttgat acccccgcgg atcccaacag 840
262 cagcttcgcc gagcacaccg actgtaagca atcatctctt aatcccgggt ccgaatcact 900
263 catggtatat cgcagtcggc ttcttcggcg tcaacttccc cgatgctcag aactcgaact 960
264 accaaaacta cctccagggc aacgcgggca cccccctcc cacgtccgtc cctagcggcc 1020
265 cttccagcac tacgactact actggctcta cggcaactgt gagcgcttcc acttcactgt 1080
266 gcagaacgtc gctaactttc tgtataggct acgccgtttg actacatcgt cgttggtgcc 1140
267 ggcccagggt gtctcatcgc tgccgatcgc ctgtcggagg cgggcaagaa ggttcttctt 1200
268 cttgagcgtg gtggaccttc gacagcagag accggcggca cttacgatgc cccatgggcc 1260
269 aagtcgcgta acgtgagttg aatacccttg aatcgataat gcgcacaccg actgactccc 1320
270 atccatggta gtcacaaaaa ttcatgttcc cgggattggt cgagacgctg ttacccgaca 1380
271 cgaacccatt ctggtggtgc aagggtgggt cggtttctgg aagcgcatgt caacgtcgtc 1440
272 gagaaagcgt tctagatacc aacttctttg ctggatgcat tctcgggtggc ggtaccacgg 1500
273 tcaacggagc gtaagtgcac cgactctgcc gtgtccaagc agtcctccta acgacaatct 1560
274 acagtcttta ctggtacccc aacaacaatg acttctccac ggccagcggg tggccgagca 1620
275 gctgggcca ccaccagccg ttcaccagca agctgaagca gcgtctgccg agcacagacc 1680
276 accctccac cgacggccag cgctacctcg aacagtccgc gaacgtcgtc cagcagctgc 1740
277 ttcaaagcca gggctaccgg caggtcacga tcaacgacga cccggactcc aaggaccacg 1800
278 tcttcggcta cagcgcgttc gacttcctca acgggcagcg cgccggcccc gttgcgacgt 1860
279 acttcagac cgcgtcgcg cgcaagaact tcgtgtaccg cgacaacgtg ctcgtcacgc 1920
280 aggtcatccg caacggctcg acgatcaccg gcgtgcgcac gaacgacctc accatcgggc 1980
281 ccgacggcat cgtgcccctc aaccggaacg gccgcgtcat cctcgttggc ggctcgttcg 2040
282 ggaccccgcg catcctgttc caaagcggga tcgggcccag ggacatgctc caggtcgtgc 2100
283 agggcaacgc gcaggctgcg gcgaacctgc cccgcagag ccagtggatc gacctcccg 2160
284 tcggccaggc cgtgtctgac aaccgctcga tcaacgtgag tgacgctgta tacgtgctct 2220
285 agcccgccgg cctgaggctg acatggctcg tagttggtct tcacgcaccc gagcatcgac 2280
286 gcgtacgaca actgggccac cgtgtggtcg aacccaggc aggcggacgc tcagcagtat 2340
287 ctgcagagcc gtcggcggt gttggcgggc gcgtcccaa agtacgttcg acatcgtgtc 2400
288 cggagtcttg cagggtgtctg accagtcctc tctacaggct gaacttctgg agggcctacg 2460
289 gcggcagtga cggcatcacc cgctacgtat gtctatgtcc gtcttcatca atggaaccgc 2520
290 gatctgacat tatccgtagg cgcaagggaac cgtccgtcct ggccgagcat ccgtgaacac 2580
291 ctccgttgcg tacaacgcga gccagatctt cagcatcacc ctctacctgt gggtagcaac 2640
292 ccggtcgtat gtataccgtg cagctgaccg tgcgccacca caggtccaac ggtatccagt 2700
293 cgcgcggtcg cattggtgtg gacgccgccc tgaacgcgaa ggcgctcgtc aaccctggc 2760
294 tcaccaacgc cgtcgacaag acgatcctgc tgcaggccct gcacgacgtc gtctccacac 2820
295 tgaacaacgg taaggccgcc cctacatgcc cgctgcgcg cgccgctcat gccgtcctt 2880
296 cctccagtcc aaggcctgac gatgatcacc cccgaccaca ccatgacgat cgagcagtac 2940
297 gtcgacgcct acgacccggt gagtcccgtc cgcagcatcc ccgaaaaga aaaaaacga 3000
298 acgtgacgc ccccgctcca cgcaggcgac gatgtgctcc aaccactggg tgggcgcgcg 3060
299 gaagatcggc acgagcccggt ccacggccgt cgtcgacgag aacgcgaagg tgttcaacac 3120
300 ggacaacctg gtgcgttccc ctctgttatg taactacca cctcccctgg ccacgcgcg 3180
301 tgacaggatc gacgtttctg catcgcagtt catcgtcgac gcgtccatca tcccgctctc 3240
302 gccgggtggg aacccgcagg ggttgctcat gtccgcggcc gagcaggccg tgtcgaagat 3300
303 cctcgcgctc gccggaggac cgtgaggagg ggggttcaaa agcctttgga gcgtgctat 3360
304 ggtggaccct gaagcgggat gggttctgtc gatatgagac acgatgtaat attatattct 3420

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/22/2005
PATENT APPLICATION: US/10/505,474A TIME: 09:58:49

Input Set : A:\10-505474.txt
Output Set: N:\CRF4\03222005\J505474A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 19
Seq#:8; Xaa Pos. 286
Seq#:13; N Pos. 9
Seq#:21; Xaa Pos. 216

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:16,17,22,23,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49
Seq#:50,51,52

VERIFICATION SUMMARY

DATE: 03/22/2005

PATENT APPLICATION: US/10/505,474A

TIME: 09:58:49

Input Set : A:\10-505474.txt

Output Set: N:\CRF4\03222005\J505474A.raw

L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:528 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:272
L:889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:1188 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:1232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:208